



Health effects of climate change in the West Midlands: Technical report

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Abstract:

This study utilises the latest climate change projections for the West Midlands Administrative Region to predict the likely effects of changing temperature and precipitation on human health in the region over the Twenty First Century. Given the resources available the study as a whole should be viewed as a scoping report, highlighting where future work is required. However, this summary of future health effects is sufficiently detailed to help shape climate change adaptation strategies in the West Midlands. In particular this document will help stakeholders understand how health inequalities could worsen due to changes in our climate. It will inform action that ensures adaptation measures are developed to protect the health of the most deprived in our society. Each chapter of this technical report includes a literature review of past trends and an assessment (with projections where data were available) of the extent of each health effect under future climate change in the West Midlands. Suggestions for adaptation are made where appropriate but the primary aim is to provide baseline information on the health effects of climate change within the West Midlands so that adaptation and mitigation strategies can be decided in the future. Specific recommendations are stated at the beginning of each chapter and these are also collected in a chapter on recommendations at the end of the report. In this report, the West Midlands Region refers to the West Midlands Government Office region rather than the metropolitan region.

Source:

http://www.wmpho.org.uk/resources/Health_Effects_of_Climate_Change_in_the_West_Midlands_Technical_Report.pdf

Resource Description

Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience:

audience to whom the resource is directed

Policymaker

Early Warning System:

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

Exposure :

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weather or climate related pathway by which climate change affects health

Air Pollution, Extreme Weather Event, Food/Water Security, Food/Water Security, Solar Radiation, Temperature

Air Pollution: Allergens, Ozone

Extreme Weather Event: Flooding

Food/Water Security: Agricultural Productivity

Temperature: Extreme Heat

Geographic Feature: 

resource focuses on specific type of geography

Urban

Geographic Location: 

resource focuses on specific location

Non-United States

Non-United States: Europe

European Region/Country: European Country

Other European Country : England

Health Impact: 

specification of health effect or disease related to climate change exposure

Infectious Disease, Injury, Mental Health/Stress

Infectious Disease: Foodborne/Waterborne Disease, Vectorborne Disease

Foodborne/Waterborne Disease: Campylobacteriosis, Cryptosporidiosis, E. coli, General Foodborne/Waterborne Disease, Salmonellosis

Vectorborne Disease: Mosquito-borne Disease, Tick-borne Disease

Mosquito-borne Disease: General Mosquito-borne Disease, Malaria

Tick-borne Disease: General Tick-borne Disease, Lyme Disease

Mental Health Effect/Stress: Stress Disorder

Mitigation/Adaptation: 

mitigation or adaptation strategy is a focus of resource


Adaptation

Model/Methodology: 

type of model used or methodology development is a focus of resource

Outcome Change Prediction

Population of Concern: A focus of content

Population of Concern: 

populations at particular risk or vulnerability to climate change impacts

Elderly

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Other Vulnerable Population: Urban residents

Resource Type: ☐

format or standard characteristic of resource

Research Article, Review

Timescale: ☐

time period studied

Long-Term (>50 years)

Vulnerability/Impact Assessment: ☐

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content